Cambridge Lower Secondary Mathematics

Basic Foundation / Mental Math Calculation

Tutorial 11

Instruction : Answer all the questions below.

Time allocated : 30 minutes

Total marks : / 40

Prepared by : Ms Sopna

1. Simplify the following fractions to the lowest terms.

1. $\frac{3}{12}$
2. $\frac{8}{16}$
3. $\frac{10}{40}$
4. $\frac{15}{35}$
5. $\frac{42}{49}$
6. $\frac{15}{63}$
7. $\frac{30}{39}$
8. $\frac{20}{55}$
9. $\frac{70}{110}$
10. $\frac{80}{330}$

2. Write the equivalent fractions.

1. $\frac{1}{2} =$
2. $\frac{2}{5} =$
3. $\frac{1}{3} =$
4. $\frac{3}{5} =$
5. $\frac{3}{7} =$
6. $\frac{1}{9} =$
7. $\frac{5}{7} =$
8. $\frac{8}{9} =$
9. $\frac{1}{5} =$
10. $\frac{6}{7} =$

3. Solve the following questions.

1. $\frac{1}{3}+\frac{2}{3}=$
2. $\frac{4}{7}+\frac{2}{7}=$
3. $\frac{5}{9}+\frac{2}{9}=$
4. $\frac{1}{3}+\frac{2}{5}=$
5. $\frac{3}{5}+\frac{1}{4}=$
6. $1\frac{2}{5}+\frac{1}{5}=$
7. $2\frac{7}{9}+1\frac{4}{9}=$
8. $3\frac{1}{2}+1\frac{1}{3}=$
9. $4\frac{3}{5}+1\frac{4}{7}=$
10. $6\frac{3}{7}+2\frac{1}{3}=$
11. $\frac{8}{9}-\frac{4}{9}=$
12. $\frac{5}{8}-\frac{3}{8}=$
13. $\frac{1}{2}-\frac{1}{4}=$
14. $\frac{3}{5}-\frac{1}{3}=$
15. $1\frac{2}{5}-1\frac{1}{5}=$
16. $2\frac{9}{13}-1\frac{7}{13}=$
17. $5\frac{4}{9}-4\frac{1}{3}=$
18. $6\frac{4}{5}-5\frac{5}{9}=$
19. $8\frac{7}{9}-5\frac{1}{3}=$
20. $10\frac{9}{14}-5\frac{1}{2}=$